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# MONTANA OIL AND GAS STATISTICAL BULLETIN

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## THE OIL AND GAS CONSERVATION COMMISSION

VOL. IV. No. 5 — McKEE PRINT — May 1956

Production of crude oil and condensate from the oil and gas areas of Montana for the month of May, 1956, averaged 57,467 barrels daily an increase of 1,064 barrels from the average April production of 56,403.

The nine refineries in the State processed 64,179 barrels of crude oil daily for the month of May, 1956, an increase of 28,853 barrels daily from the 35,326 barrels processed daily during the month of April.

During May, 37 wells were completed, 16 oil, 0 gas wells and 21 dry holes.

During May, 1956, the Commission issued 43 permits to drill new wells, which was the same number of permits issued during April.

### SUMMARY OF CRUDE OIL PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA

MONTH OF MAY, 1956

| | |
|---|---|
| IN STORAGE MAY 1st: | |
| By Producers | 299,780 |
| By Transporters | 653,301 |
| By Refiners | 732,173 |
| TOTAL STORAGE | 1,685,754 |
| Produced in Montana During Month | 1,781,474 |
| Imported During Month | 1,146,947 |
| TOTALS | 4,614,175 |
| DISPOSITION: | |
| Refined in Montana | 1,989,545 |
| Exported | 1,010,067 |
| Used for Fuel or Lost | 21,035 |
| TOTALS | 3,020,647 |
| IN STORAGE MAY 31st: | |
| By Producers | 294,724 |
| By Transporters | 626,668 |
| By Refiners | 672,136 |
| TOTAL STORAGE | 1,593,528 |

### NATURAL GAS WITHDRAWALS IN MONTANA

Month of May, 1956

| Field | M Cu. Ft. |
|---|---|
| Bears Den | 10,014 |
| Bowdoin | 78,953 |
| Bowes | 40,879 |
| Box Elder | 16,315 |
| Cedar Creek | 263,093 |
| Cut Bank (Includes Reagan) | 913,405 |
| Devon | 49,562 |
| Dry Creek | 141,762 |
| Elk Basin | 27,648 |
| Golden Dome | 19,733 |
| Hardin | 4,525 |
| Keith Block | 39,791 |
| Kevin-Sunburst | 70,476 |
| Utopia | 10,462 |
| Whitlash | 68,008 |
| Miscellaneous | 44,240 |
| TOTAL | 1,798,866 |

Total Withdrawals for May, 1955, were 1,777,022 M Cu. Ft.

# PRODUCER'S REPORT
## MONTH OF MAY, 1956

| Leases Operated | Field | No. of Wells | Storage First of Month | Oil Produced | Oil Shipped by Pipeline | Oil Shipped by Truck | Used or Lost | Storage End of Month |
|---|---|---|---|---|---|---|---|---|
| 1 | Ash Creek | 4 | 1,132 | 2,971 | ..... | 3,467 | ..... | 636 |
| .... | Bannatyne | ..... | 260 | ..... | ..... | ..... | ..... | 260 |
| 9 | Big Wall | 28 | 6,625 | 21,631 | ..... | 20,857 | 107 | 7,292 |
| 3 | Border | 7 | ..... | 820 | ..... | 820 | ..... | ..... |
| 10 | Bowes | 74 | 3,346 | 29,142 | 28,815 | ..... | ..... | 3,673 |
| 2 | Brady-Midway | 3 | ..... | 145 | ..... | 145 | ..... | ..... |
| 5 | Bredette | 5 | 3,133 | 10,549 | 8,733 | ..... | 191 | 4,758 |
| 2 | Brorson | 3 | 2,335 | 3,100 | 3,582 | ..... | ..... | 1,853 |
| 1 | Bynum | 1 | 83 | 136 | ..... | ..... | ..... | 219 |
| 1 | Cabin Creek | 22 | 5,764 | 137,610 | 136,317 | ..... | 520 | 6,537 |
| 27 | Cat Creek | 88 | 4,627 | 15,140 | 15,867 | ..... | ..... | 3,900 |
| 2 | Clark's Fork | 2 | 1,243 | 5,536 | ..... | 6,240 | ..... | 539 |
| 2 | Cupton | 2 | 1,427 | 2,321 | 2,175 | ..... | ..... | 1,573 |
| 342 | Cut Bank | 1,124 | 123,944 | 235,968 | 238,217 | ..... | 20 | 121,675 |
| 3 | Deer Creek | 5 | 1,461 | 9,585 | 9,596 | ..... | ..... | 1,450 |
| 1 | Devil's Basin | 2 | 887 | 190 | ..... | 439 | ..... | 638 |
| 6 | Dry Creek | 6 | 1,524 | 12,708 | 12,894 | ..... | ..... | 1,338 |
| 20 | Elk Basin | 58 | 11,526 | 141,355 | 146,078 | ..... | ..... | 6,803 |
| 2 | Fertile Prairie | 3 | 828 | 2,276 | ..... | 2,460 | ..... | 644 |
| 2 | Frannie | 2 | 244 | 1,119 | 1,097 | ..... | ..... | 266 |
| 1 | Gage | 1 | 433 | 208 | ..... | ..... | ..... | 641 |
| 2 | Gas City | 7 | 5,056 | 26,592 | 29,462 | ..... | 398 | 1,788 |
| 6 | Glendive | 12 | 5,231 | 46,281 | 47,648 | ..... | ..... | 3,864 |
| 1 | Golden Dome | 1 | 609 | 802 | ..... | 641 | ..... | 770 |
| 2 | Ivanhoe | 3 | 1,192 | 2,464 | ..... | 1,517 | ..... | 2,139 |
| 209 | Kevin-Sunburst | 1,378 | 15,879 | 92,514 | 92,018 | ..... | 9 | 16,366 |
| 1 | Lake Basin | 1 | 828 | 345 | ..... | 30 | ..... | 1,143 |
| 1 | Little Beaver | 4 | 1,881 | 12,815 | 12,087 | ..... | 160 | 2,449 |
| 2 | East Little Beaver | 2 | 1,122 | 2,594 | 1,278 | ..... | 452 | 1,986 |
| 2 | Marcus Snyder | 4 | 926 | 4,220 | ..... | 3,393 | ..... | 1,753 |
| 2 | Melstone | 5 | 2,347 | 6,313 | ..... | 6,511 | ..... | 2,149 |
| .... | Mosser | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 4 | Pennel | 8 | 3,623 | 27,261 | 26,087 | ..... | 1,572 | 3,225 |
| 2 | Pine | 63 | 20,079 | 312,354 | 305,145 | ..... | 6,567 | 20,721 |
| 75 | Pondera | 317 | 10,410 | 58,105 | 59,652 | ..... | ..... | 8,863 |
| 73 | East Poplar | 78 | 22,363 | 338,413 | 319,493 | 18,098 | 324 | 22,861 |
| 4 | Northwest Poplar | 5 | 1,579 | 2,990 | 1,765 | 1,397 | ..... | 1,407 |
| 2 | Ragged Point | 3 | 1,374 | 1,189 | ..... | 1,971 | ..... | 592 |
| .. | Rattlesnake Butte | ..... | 325 | ..... | ..... | ..... | ..... | 325 |
| 3 | Reagan | 42 | 2,897 | 18,434 | 18,443 | ..... | ..... | 2,888 |
| 1 | Repeat | 1 | 752 | 1,851 | 1,665 | ..... | ..... | 938 |
| 4 | Richey | 8 | 2,347 | 10,124 | ..... | 9,095 | 43 | 3,333 |
| 1 | Rudyard | 1 | 283 | 214 | ..... | ..... | ..... | 497 |
| 5 | Soap Creek | 15 | 4,867 | 17,602 | ..... | 19,162 | ..... | 3,307 |
| 1 | Southwest Richey | 3 | 1,264 | 7,119 | ..... | 7,388 | ..... | 995 |
| 17 | Sumatra | 49 | 11,145 | 123,251 | 118,027 | 3,077 | ..... | 13,292 |
| 3 | Sweetgrass Hills | 3 | 917 | 464 | ..... | 540 | ..... | 841 |
| 9 | Whitlash | 24 | 4,547 | 11,005 | 10,697 | 753 | ..... | 4,102 |
| 1 | Wibaux | 1 | 997 | 952 | ..... | 963 | ..... | 986 |
| 5 | Wolf Springs | 8 | 3,509 | 21,739 | ..... | 18,720 | 1,145 | 5,383 |
| 1 | Woodrow | 1 | 377 | 457 | ..... | ..... | ..... | 834 |
| 1 | Yellowstone | 1 | 232 | 500 | ..... | 500 | ..... | 232 |
| 882 | | 3,488 | 299,780 | 1,781,474 | 1,646,838 | 128,184 | 11,508 | 294,724 |

| Total Oil Produced and Shipped from Leases | Bbls. Produced | Daily Average | Bbls. Shipped | Daily Average |
|---|---|---|---|---|
| Year, 1955 | 15,654,426 | 42.889 | 15,526,471 | 42,538 |
| First Quarter 1956 | 5,069,931 | 55,714 | 5,037,112 | 55,353 |
| April, 1956 | 1,692,093 | 56,403 | 1,667,300 | 55,576 |
| May, 1956 | 1,781,474 | 57,467 | 1,775,022 | 57,259 |

| Oil in Storage | In Producers Field Tanks | In Transporters Storage | In Refiners Storage* | Total Oil in Storage* |
|---|---|---|---|---|
| December 31, 1955 | 298,039 | 575,486 | 575,324 | 1,448,849 |
| March 31, 1956 | 239,876 | 576,594 | 500,893 | 1,367,363 |
| April 30, 1956 | 299,780 | 653,801 | 732,173 | 1,685,754 |
| May 31, 1956 | 294,724 | 626,668 | 672,136 | 1,593,528 |

*Includes Wyoming Oil

# TRANSPORTER'S REPORT
## MONTH OF MAY, 1956

| | Storage First of Month | OIL RECEIVED BY | | | Loss or Gain | OIL SHIPPED TO | | | Storage End of Month |
|---|---|---|---|---|---|---|---|---|---|
| | | Pipeline | Truck | Connecting Carrier | | Montana | Other States | Connecting Carrier | |
| ASH CREEK—Trucks | | | 3,467 | | | | 3,467 | | |
| BIG WALL—Trucks | | | 20,857 | | | 12,939 | 7,918 | | |
| BORDER—Trucks | | | 820 | | | 820 | | | |
| BOWES— | | | | | | | | | |
| Trigood Oil Company | 7,544 | 6,178 | | | 125 | | 5,093 | | 8,504 |
| The Texas Company | | 22,637 | | | (2,521) | 25,158 | | | |
| | 7,544 | 28,815 | | | (2,396) | 25,158 | 5,093 | | 8,504 |
| BRADY-MIDWAY—Trucks | | | 145 | | | 145 | | | |
| BRORSON—Sun Oil Company | | 3,582 | | | | | 3,582 | | |
| CABIN CREEK AND OTHERS*— | | | | | | | | | |
| Butte Pipe Line Company | 286,356 | 470,910 | | 416,538 | | | 906,297 | | 267,507 |
| Shell Pipeline Corp. | | 41,626 | | | (170) | | | 35,700† | 6,096 |
| | 286,356 | 512,536 | | 416,538 | (170) | | 906,297 | 35,700 | 273,603 |
| CAT CREEK— | | | | | | | | | |
| Continental Pipeline Co. | 7,190 | 10,391 | | | 72 | 8,098 | | | 9,411 |
| Wm. Hanlon | | 5,476 | | | | 5,476 | | | |
| | 7,190 | 15,867 | | | 72 | 13,574 | | | 9,411 |
| CLARK'S FORK—Trucks | | | 6,240 | | | 6,240 | | | |
| CUT BANK— | | | | | | | | | |
| Big West Oil Company | | 5,925 | | 12,035 | | 17,960 | | | |
| Darling Gathering System, Inc. | 2,545 | 21,676 | | | (577) | 18,074 | | | 6,724 |
| Phillips Petroleum Company | 29,687 | 54,205 | | 6,295 | 1,131 | 26,371 | | 20,905 | 41,780 |
| The Texas Pipeline Company | 113,325 | 52,017 | | 59,258 | 1,908 | 85,746 | | 18,157 | 118,789 |
| Toronto Pipeline Company | 35,129 | 57,738 | | | (3) | | | 70,231 | 22,639 |
| Union Oil Company | 82,265 | 44,512 | | 31,705 | 434 | 95,960 | | | 62,088 |
| | 262,951 | 236,073 | | 109,293 | 2,893 | 244,111 | | 109,293 | 252,020 |
| DEVIL'S BASIN—Trucks | | | 439 | | | 439 | | | |
| DRY CREEK—Ohio Oil Company | 7,848 | 12,827 | | | (127) | 10,592 | | | 10,210 |
| ELK BASIN—Ohio Oil Company | | 146,078 | | | | 104,213 | 41,865 | | |
| FERTILE PRAIRIE—Trucks | | | 2,460 | | | | 2,460 | | |
| FRANNIE—Ohio Oil Company | | 1,097 | | | | | 1,097 | | |
| GOLDEN DOME—Trucks | | | 641 | | | | 641 | | |
| GLENDIVE, DEER CREEK and WOODROW— | | | | | | | | | |
| The Texas Pipeline Company | 10,903 | 57,243 | | | 140 | | | 62,030† | 5,976 |
| IVANHOE—Trucks | | | 1,517 | | | 1,517 | | | |
| KEVIN-SUNBURST | | | | | | | | | |
| Big West Oil Company | 3,871 | 40,338 | | | | 40,531 | | | 3,678 |
| Homestake Oil & Gas Company | 255 | 4,114 | | | | 4,226 | | | 143 |
| The Texas Pipeline Company | 8,491 | 44,681 | | 1,417 | 575 | 45,894 | | | 8,120 |
| Anna Aronow | 187 | 1,647 | | | | | | 1,417 | 417 |
| | 12,804 | 90,780 | | 1,417 | 575 | 90,651 | | 1,417 | 12,358 |
| LAKE BASIN—Trucks | | | 30 | | | 30 | | | |
| MARCUS SNYDER—Trucks | | | 3,393 | | | 904 | 2,489 | | |
| MELSTONE—Trucks | 2,256 | | 6,511 | | | 5,809 | | | 2,958 |
| PONDERA— | | | | | | | | | |
| Phillips Petroleum Company | 15,518 | 59,653 | | | 1,235 | 69,857 | | | 4,079 |
| POPLAR and BREDETTE— | | | | | | | | | |
| East Poplar Gathering System | 15,452 | 327,119 | | | (804) | | | 318,808† | 24,567 |
| Trucks | | | 19,495 | | | | 19,495 | | |
| | 15,452 | 327,119 | 19,495 | | (804) | | 19,495 | 318,808 | 24,567 |
| RAGGED POINT—Trucks | 948 | | 1,971 | | | 1,971 | | | 948 |
| REAGAN—Union Oil Company | | 18,843 | | | | 18,843 | | | |
| RICHEY—Trucks | | | 9,095 | | | 9,095 | | | |
| SOAP CREEK—Trucks | | | 19,162 | | | 7,539 | 11,623 | | |
| SOUTHWEST RICHEY—Trucks | | | 7,388 | | | 7,388 | | | |
| SUMATRA— | | | | | | | | | |
| Powder River Pipeline Company | 21,040 | 118,027 | | | 590 | 121,788 | | | 16,689 |
| Trucks | | | 3,077 | | | | 3,077 | | |
| | 21,040 | 118,027 | 3,077 | | 590 | 121,788 | 3,077 | | 16,689 |
| SWEETGRASS HILLS—Trucks | | | 540 | | | 540 | | | |
| WHITLASH— | | | | | | | | | |
| Homestake Oil & Gas Company | 558 | 1,695 | | 9,020 | | 8,677 | | | 2,596 |
| Western Natural Gas Company | | 9,002 | | | (318) | | | 9,020 | 300 |
| Trucks | | | 753 | | | 753 | | | |
| | 558 | 10,697 | 753 | 9,020 | (318) | 9,430 | | 9,020 | 2,896 |
| WIBAUX—Trucks | | | 963 | | | | 963 | | |
| WOLF SPRINGS—Trucks | 2,433 | | 18,720 | | 549 | 18,155 | | | 2,449 |
| YELLOWSTONE—Trucks | | | 500 | | | 500 | | | |
| TOTALS | 653,801 | 1,639,237 | 128,184 | 536,268 | 2,239 | 782,248 | 1,010,067 | 536,268 | 626,668 |

*Cabin Creek, Cupton, Gas City, Little Beaver, East Little Beaver, Pennel, Pine and Repeat Fields.
†Transferred to Butte Pipe Line Company.

## BARRELS OF CRUDE OIL REFINED IN MONTANA

### MONTH OF MAY, 1956

| Fields | Big West Oil Co. | Carter Oil Co. | Continental Oil Co. | Diamond Asph. Co. | Farmers Union | Jet Fuel Refinery | Texas Calgary Co. | Phil. Petr. Co. | The Texas Co. | Union Oil Co. | Total by Fields |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Big Wall | ..... | ..... | ..... | ..... | 12,305 | ..... | ..... | ..... | ..... | ..... | 12,305 |
| Bowes | ..... | ..... | ..... | 15,916 | ..... | ..... | ..... | ..... | ..... | ..... | 15,916 |
| Bredette | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 238 | ..... | 238 |
| Brady-Midway | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 75 | ..... | ..... | 75 |
| Cat Creek | ..... | ..... | 8,068 | ..... | ..... | 6,597 | ..... | ..... | ..... | ..... | 14,665 |
| Clark's Fork | ..... | ..... | ..... | ..... | 6,113 | ..... | ..... | ..... | ..... | ..... | 6,113 |
| Cut Bank | 17,960 | ..... | ..... | ..... | ..... | ..... | ..... | 73,424 | 138,609 | 97,807 | 327,800 |
| Devil's Basin | ..... | ..... | ..... | ..... | ..... | ..... | 439 | ..... | ..... | ..... | 439 |
| Dry Creek | ..... | ..... | ..... | ..... | 9,197 | ..... | ..... | ..... | ..... | ..... | 9,197 |
| Elk Basin | ..... | 72,295 | 31,918 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 104,213 |
| Ivanhoe | ..... | ..... | ..... | ..... | 1,517 | ..... | ..... | ..... | ..... | ..... | 1,517 |
| Kevin-Sunburst | 31,578 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 56,726 | ..... | 88,304 |
| Marcus Snyder | ..... | ..... | ..... | ..... | ..... | ..... | 904 | ..... | ..... | ..... | 904 |
| Melstone | ..... | ..... | ..... | ..... | ..... | 6,952 | ..... | ..... | ..... | ..... | 6,952 |
| Pondera | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 23,120 | ..... | ..... | 23,120 |
| Ragged Point | ..... | ..... | ..... | ..... | 1,848 | ..... | ..... | ..... | ..... | ..... | 1,848 |
| Reagan | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18,443 | 18,443 |
| Richey | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8,635 | ..... | 8,635 |
| Soap Creek | ..... | ..... | ..... | ..... | ..... | ..... | 2,253 | ..... | ..... | ..... | 2,253 |
| Sumatra | ..... | ..... | 303 | ..... | 123,748 | ..... | ..... | ..... | ..... | ..... | 124,051 |
| Sweetgrass Hills | 540 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 540 |
| Whitlash | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8,757 | 752 | 9,509 |
| Wolf Springs | ..... | 2,708 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2,708 |
| Yellowstone | ..... | ..... | ..... | ..... | 412 | ..... | ..... | ..... | ..... | ..... | 412 |
| Total Montana Oil | 50,078 | 75,003 | 40,239 | 15,916 | 155,140 | 13,549 | 3,596 | 96,619 | 212,965 | 117,002 | 780,157 |
| Canadian Oil Imported | ..... | ..... | ..... | 8,537 | ..... | ..... | ..... | ..... | ..... | 2,587 | 11,124 |
| Wyoming Oil Imported | ..... | 735,461 | 258,963 | ..... | 201,123 | 2,717 | ..... | ..... | ..... | ..... | 1,198,264 |
| TOTAL Montana, Canadian and Wyoming Oil | 50,078 | 810,464 | 299,252 | 24,453 | 356,263 | 16,266 | 3,596 | 96,619 | 212,965 | 119,589 | 1,989,545 |

### AVERAGE BARRELS PER DAY

| | Montana | Canada | South Dakota | Wyoming | TOTAL |
|---|---|---|---|---|---|
| Year, 1955 | 27,008 | .... | 35 | 30,714 | 57,757 |
| May, 1955 | 29,598 | .... | 38 | 20,044 | 49,680 |
| May, 1956 | 25,166 | 359 | .... | 38,654 | 64,179 |

### PERCENTAGE OF CRUDE REFINED

| Montana | Canada | South Dakota | Wyoming |
|---|---|---|---|
| 46.76% | ..... | .06% | 53.18% |
| 59.58% | ..... | .07% | 40.35% |
| 39.21% | .56% | ..... | 60.23% |